

SOAS, UNIVERSITY OF LONDON

College Building Reception Refurbishment

Outline Scope of Works for Listed Building Application

22nd January 2018



FAITHFUL + GOULD



Document Status					
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1.0 Introduction

Outline Scope of Works

Purpose of Document

This document has been prepared on behalf of SOAS University London to support the Listed Building Application for the proposed works to the College Building reception area.

The works proposed comprise removal of the existing internal glazed entrance lobby and associated revolving door, in order to form a new entrance lobby. A new glazed internal lobby is proposed with two sliding doors, it is also intended to undertake a general refurbishment of the reception area.

Enclosed is an outline scope of works detailing what works are being undertaken and how this is proposed. Details are provided of what is presently installed including details of finishes. Details of the proposed works, materials and finishes to be used is provided. Within the Appendix, technical information and specifications is included as referenced in the 'Outline Scope of Works'

Documents Referred To

Drawings

The following Drawings are referenced in the document

001	A3	College Building Reception Refurbishment - Existing Floor Plan
002	A3	College Building Reception Refurbishment - Existing Elevation
003	A3	College Building Reception Refurbishment - Proposed Floor Plan
004	A3	College Building Reception Refurbishment - Proposed Elevation
005	A3	College Building Reception Refurbishment - Location Plan
006	A3	College Building Reception Refurbishment - Strip Out Plan
007	A3	College Building Reception Refurbishment - Block Plan
008	A3	College Building Reception Refurbishment - 1:50 Elevation and Plan

Specifications and Product Literature

The following technical documents are included within the referenced Appendix

Appendix A	Sliding Door and Lobby System
Appendix B	Flooring and Matwell System
Appendix C	Overdoor Heater
Appendix D	Track Lighting and Spot Lighting
Appendix E	Floorbox
Appendix F	Cupboard Cladding

Photoschedule

A photoschedule is enclosed in Appendix G illustrating the reception area and lobby in its present state.



2.0 Outline Scope of Works

Existing and Proposed Works

Element	Existing	Proposed
ALTERATION WORKS		
Entrance Lobby Doors	<p>The existing entrance lobby system comprises a glazed curtain wall system with a centrally installed revolving door as the primary entry through the lobby.</p> <p>The central revolving door is flanked either side by a double door and single entrance door. The single door is utilised for accessible entrance provision, the double door is only used for deliveries and in a fire situation.</p> <p>The curtain walling system is full height from finished floor to finished ceiling. This is mechanically fixed into position to the floor, suspended ceiling and surrounding wall areas.</p> <p>The glazed entrance lobby is set back by circa 2m from the main entrance and away from the original timber panelled entrance doors. The original entrance doors are fixed open during the day.</p>	<p>The existing glazed entrance lobby and associated doors are to be carefully disassembled and removed.</p> <p>A new glazed curtain walling system is to be installed comprising of 2nr sliding doors forming a rectangular lobby. The glazing system will be installed full height from finished floor level up to a new MF ceiling section above. The glazing and curtain walling comprises aluminium powder coated channels and transoms, colour to be dark grey, final RAL colour to be confirmed.</p> <p>In order to install the new glazed curtain walling and associated doors 3nr supporting steel posts are to be mechanically fixed into position as indicated on the proposed works drawing. These are to be fixed to the existing ground floor slab and affixed to the soffit of the structural ceiling above. At ceiling level the fixing points will be above the suspended ceiling mechanically fixed to the underside of the exposed structural ceiling. The existing structural ceiling is exposed above the suspended ceiling and comprises a clay pot and beam floor arrangement, with plaster and painted black.</p> <p>The sliding door opening mechanism driver is to be integral to the frame of the system. This sits at the head of the door system facing into the building receptions area, this is 180mm deep x 100mm high</p> <p>Power and data for powering and controlling the door are to be distributed through the suspended ceiling. Wall mounted fixtures and fittings are to use surface mounted conduit or utilise channels within the door framing to ensure works are reversible.</p> <p>See Appendix A enclosing further information.</p>
Ceiling	<p>The existing exposed ceiling is non original and comprises a suspended ceiling with plaster board MF ceilings to the perimeter margins and above the existing entrance doors. To the ceiling there are various surface mounted services,</p>	<p>The existing suspended ceiling grid is to be retained, existing ceiling tiles are to be removed and replaced with white acoustic rated ceiling tiles. Existing surface mounted services such as CCTV, lights and ventilation grilles are to remain in existing locations and be fitted into replacement ceiling tiles.</p>



	<p>fluorescent spot lighting, CCTV, fire detection and ventilation grilles.</p> <p>The structural ceiling appears to comprise hollow clay pots and reinforced concrete with a plaster/render finish, painted black.</p>	<p>The MF ceiling section to the lobby area is to be carefully removed to enable the installation of the new glazed lobby door system. A replacement MF ceiling will then be installed to match the same height as existing. Where possible existing fixing points used to secure the MF ceiling will be re-used to mechanically fix to the structural ceiling.</p> <p>Existing perimeter margins and the new MF ceiling to the entrance glazing is to be decorated white as existing</p>
Walls	The existing walls are painted throughout	No alteration works to the external walls are intended. Following works, all internal areas are to be made good and painted throughout, neutral colours to be used.
Floors	<p>The existing floor finish comprises a mixture of carpet tile to the main areas and grey embossed sheet vinyl.</p> <p>To the entrance lobby, entrance matting with aluminium scraper rails is installed within a matwell</p> <p>The existing subfloor comprises a screeded finish</p>	<p>The existing floor finishes are to be carefully removed. New floor finish to the main reception area is to be a Linoleum type product, Marmoleum Marbled effect sheet finish. Finish to be neutral colour. Specification details are included in Appendix B</p> <p>New matwell entrance matting will be installed to match existing, the existing matwell depth is to match existing and be adapted and made smaller to suit new entrance lobby size. Matwell to be Nuway Tuftiguard Classic. Specification details are included in Appendix B</p>
External Doors	3nr original existing doors to the main entrance comprise decorative hardwood timber doors, stained finish with brass ironmongery	No alteration works are proposed to the original doors. The existing finish is to be freshened, doors to be re-stained to match existing.
<u>SERVICES</u>		
Over door heater	There are currently no overdoor heaters in place	<p>2nr electric overdoor heaters are to be installed above the new sliding doors. To be '<i>Windbox suspended ceiling air curtain</i>' or similar in appearance.</p> <p>These will be set flush within the MF ceiling above, coloured white to match the surrounding ceiling. To be 700mm wide and 2000mm in length. Power to this will be fed through the suspended ceiling. Specification details are included in Appendix C.</p>
Lighting	Existing lighting comprises fluorescent spot lights and fluorescent domed lighting	<p>New LED spot lighting is to be installed to be similar in style to the existing spot lighting. The lighting layout is to be altered to suit the new reception desk position and room configuration. Whitecroft Espirit LED lighting or similar, 198mm in diameter installed flush within ceiling. All cabling to be fed via existing suspended ceiling void. Specification details are included in Appendix D.</p> <p>A lighting track system is to be installed as indicated on the proposed floor plans to be</p>



		<p>affixed to the suspended ceiling. Ceiling track system to be white with white spot lights mounted, to be a Flos system or equivalent. Power distribution to be fed via suspended ceiling.</p> <p>Specification details are included in Appendix D</p>
Ceiling Mounted Fittings	To the ceiling at present there is range of fittings and fixtures installed such as CCTV, ventilation grilles and fire alarm/detection smoke heads	Existing ceiling mounted fixtures and fittings are to be removed temporarily as part of replacing the existing suspended ceiling tiles. These will be re-installed in the same location within the new suspended ceiling tiles
Power Sockets	Existing power sockets to remain as existing	As shown on the proposed drawing a floor mounted double power socket is to be installed. Power to this is to be fed via the suspended ceiling void and the column. A small chase 500mm long x 50mm wide x 25mm will be cut within the floor screed for the cable run and socket. Specification details are included in Appendix E
AV Screens	There is an existing AV screen wall mounted as shown on existing drawings.	<p>The existing AV screen is to be replaced as shown on the proposed drawing, this is to be wall mounted.</p> <p>An additional AV screen is to be wall mounted and fixed in position as shown. New power and data is to be in surface mounted conduit.</p>
<u>FIXTURES AND FITTINGS</u>		
Reception Desk	The existing reception desk is circular and bespoke, in built between the existing columns abutting the cladding. Existing finish is laminated timber pine cladding with SOAS branding	A new 2 person reception desk is to be installed as shown on the proposed drawing. The reception desk is to have an accessible stepped down section compliant with current building regulations. The main structure will be veneered timber with a metal brass top. Services for power and data to the desk are to be distributed via the suspended ceiling and cupboards to the rear of this area.
Cladding Columns to	There are three nr structural columns within the reception area, the columns are clad in non original oversized circular/rounded cladding. The cladding is a GRP system decorated in SOAS branding	The non original cladding is to be removed. The columns are to be clad in fire rated plasterboard to maintain fire protection. This is then to be plaster skim finished and decorated to match surrounding walls
Cladding Cupboards and Internal Doors to	To the RHS of the entrance area there are non original 'in built' timber cupboards clad in pine effect square panels. The same cladding is applied to the set of internal double entrance door leading to office 0/016 and lecture room 0/003 to the LHS of the reception area.	<p>The existing pine timber panelling to the doors is to be removed. This is to be replaced with through colour MDF Valchromat fibre board, the thickness and fenestration of the cladding is to match existing panelling. Colour to be Grey.</p> <p>Specification information included in Appendix E</p>
Blinds	The existing blinds are white metal venetian type. These are fitted to the window reveal at present and are to be removed.	New blinds are to be installed and fitted to match the existing locations. To be new metal venetian type blinds colour to be confirmed.



Donor Plaque	N/A	A donor plaque is to be installed wall mounted as shown on the existing drawing. This is to be screw fixed on hangars
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3.0 Appendices

Appendix A	Sliding Door and Lobby System
Appendix B	Flooring and Matwell System
Appendix C	Overdoor Heater
Appendix D	Track Lighting and Spot Lighting
Appendix E	Floorbox
Appendix F	Cupboard Cladding
Appendix G	Photo schedule

Appendix A

Sliding Door and Lobby System



A detailed black and white photograph of a sliding door's internal mechanism. It shows a large pulley wheel at the top, a drive cable, and a complex track system with rollers and guides. The image is partially obscured by a white text box on the left and a semi-transparent white box in the center.

ES 200 STANDARD ES 200 EASY PLUS

Sliding door in compliance with DIN 18650 / EN 16005
with self-monitoring secondary closing edge protection

MORE FLEXIBILITY AND EFFICIENCY

The ES 200 is the perfect solution ensuring that you are optimally prepared for any application and service requirement.

The ES 200 comes preinstalled with the EN 16005 / DIN 18650 module for self-monitored protection of the secondary closing edges, allowing you to dispense with costly safety screens where appropriate and connect additional sensors.

New electronic system components also significantly extend capacity range.

The ES 200 STANDARD is tested and approved for door systems of up to 2 x 160 kg / 1 x 200 kg and the ES 200 EASYplus is tested and approved for door systems of up to 2 x 120 kg / 1 x 200 kg.

All basic parameters are easy to adjust using the integrated pushbuttons and display. No separate programming tools are necessary.

The ES 200 STANDARD and ES 200 EASYplus are equipped with DORMA PowerDrive technology with identical mechanical components.

With an extra powerful motor and dynamic driving phase control, the integrated PowerDrive system ensures safe and reliable operation.

Invest in the future and rely on decades of experience in the automatics business that sets DORMA apart as a market leader in drive and control systems.

The ES 200 complies with all relevant European and German standards and the safety requirements of EN 16005 and DIN 18650.

The ES 200 is available as a component kit, as a complete operator, or integrated in all DORMA sliding door systems.

DORMA furthermore provides program switches, activators and door profiles as ideal complementary components.



Features and benefits

- Preinstalled with EN 16005 / DIN 18650 module for self-monitored protection of secondary closing edges
- With DORMA PowerDrive: Dynamic driving phase control for particularly powerful operation with emergency power backup
- Industrially prefabricated and tested MiniDriveUnit with all necessary electrical and electronic components
- Integrated DCW® (DORMA connect and work) bus system for easy integration of DORMA DCW® sensors
- Easy commissioning via integrated display
- May be combined with all standard door profiles
- Fully comprehensive range of accessories
- Reliable investment due to compliance with all relevant European and German standards.

EN 16005

Our commitment to a sustainable future

We are committed to sustainable development as one of our business maxims. DORMA's aim is to ensure energy-saving and resource-conserving production, a high recycling ratio and the

longevity of our quality products. Environmental Product Declarations (EPD), based on a holistic life cycle assessment, are used for the calculation of the sustainability of buildings.

EPD certificates are on www.dorma.com available.



Door parameters	ES 200 STANDARD
Single-panel sliding door	
– Clear passage width LW	700 – 3000 mm
– Door panel weight, max.	1 x 200 kg
Double-panel sliding door	
– Clear passage width LW	800 – 3000 mm
– Door panel weight, max.	2 x 160 kg
Clear passage height*	2100 – 3200 mm

*Other dimensions on request.

Door parameters	ES 200 EASYplus
1-panel sliding door	– Clear passage width LW 700 – 3000 mm – Door panel weight, max. 1 x 200 kg
2-panel sliding door	– Clear passage width LW 800 – 3000 mm – Door panel weight, max. 2 x 120 kg
Clear passage height*	2100 – 3200 mm

*Other dimensions on request.

Technical data	
Height	100 and 150 mm
Depth	180 mm
Opening and closing force max. 150 N	●
Opening speed (incremental setting) - STANDARD	10 – 70 cm/s
– ES 200EASYplus	10 – 55 cm/s
Closing speed (incremental setting)	10 – 50 cm/s
Hold-open time - STANDARD	0 – 180 s
– EASYplus	0 – 60 s
Mains voltage, frequency	230 V, 50/60 Hz
Power consumption	250 W
International protection	IP 20
Admissible temperature	-20 to +60° C
Tested according to low-voltage guidelines	●
Manufacture according to ISO 9001	●
Environmental product declaration in accordance with ISO 14025	
Programme holder: Institute Construction and Environment e.V.	●
Declaration number: EPD-DOR-2013511-E	

Basic module (BM)	ES 200
Microprocessor controller	●
Functional programs	– Off ● – Automatic ● – Permanent open ● – Partial open ● – Exit only ● – Night-bank switch ●
Connection for	– locking device ● – light barriers ●
Setting of basic parameters via integrated display and push-buttons	●
24 V output for external consumption	●
Read-out error store with error codes	●
DCW® bus interface (ProtokolI DORMA Connect and Work)	●

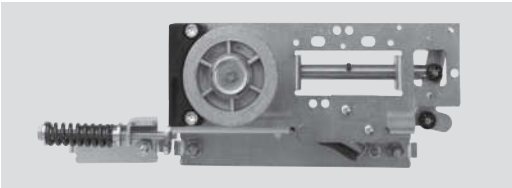
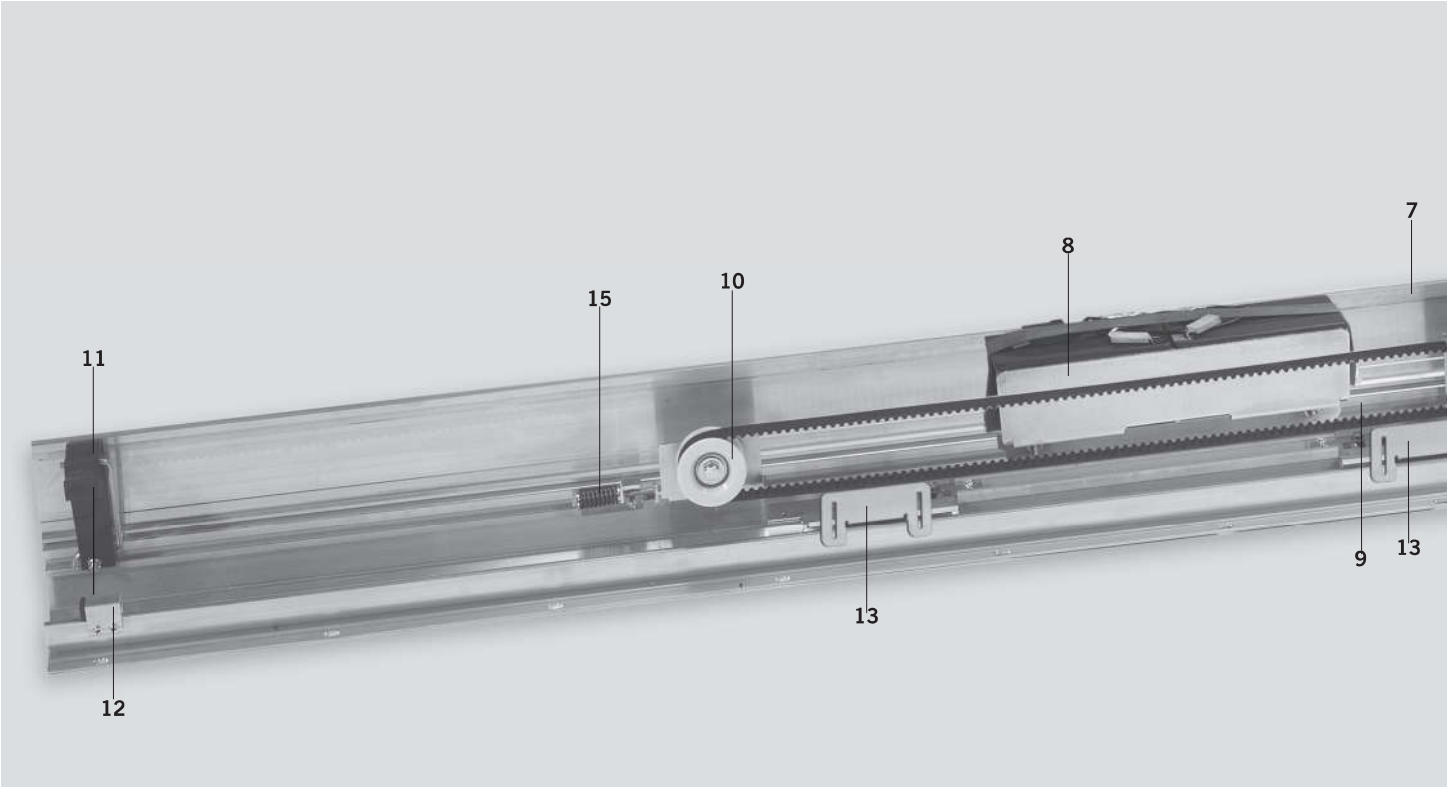
Function module EN 16005 and DIN 18650 – included

The function module enables the tested monitoring of the secondary closing edges in order to comply with the standards. ●

Additional equipment

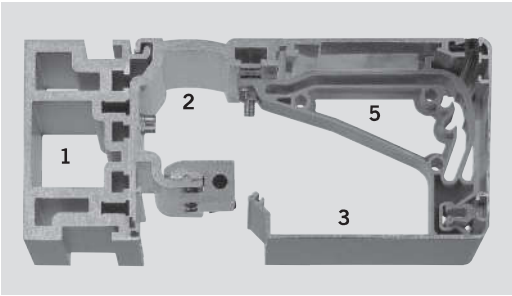
Electro-mechanical locking (bistable)	○
Manual unlocking for electro-mechanical locking	○
Light barriers	○
Battery pack (emergency opening, emergency closing)	○
Emergency power module USV	○

● standard ○ optional

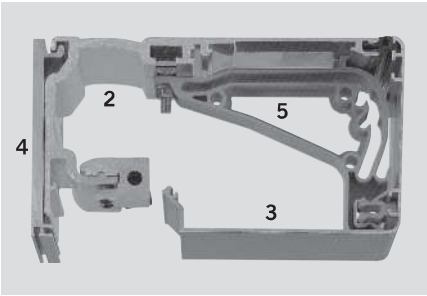


Pulley with integrated locking device and belt tensioning device

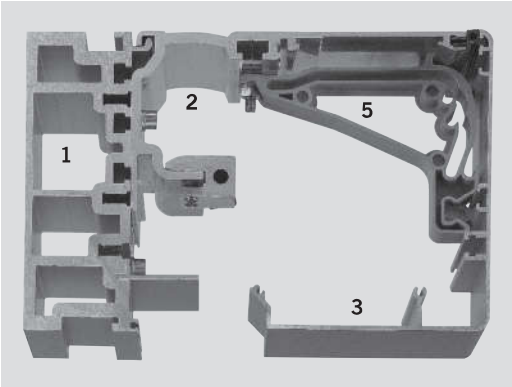
Profiles for corridor installation, 100 mm



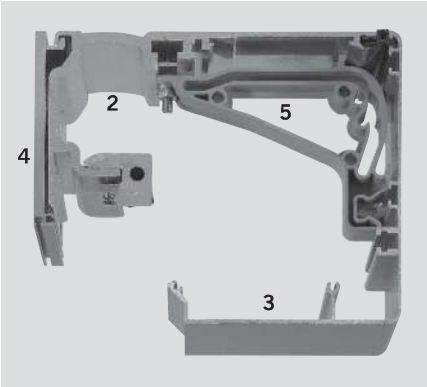
Profiles for wall fixing, 100 mm



Profiles for corridor installation, 150 mm

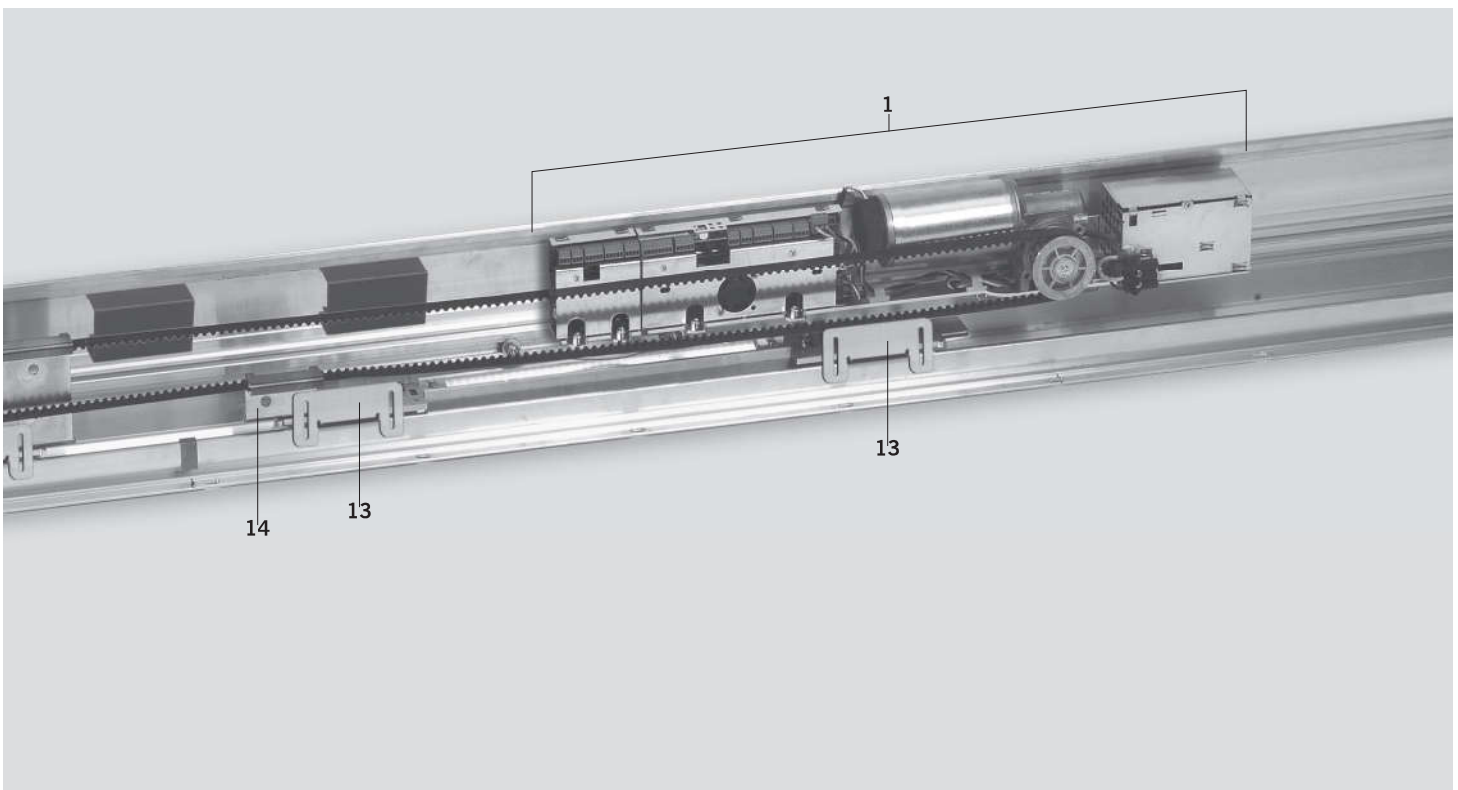


Profiles for wall fixing, 150 mm

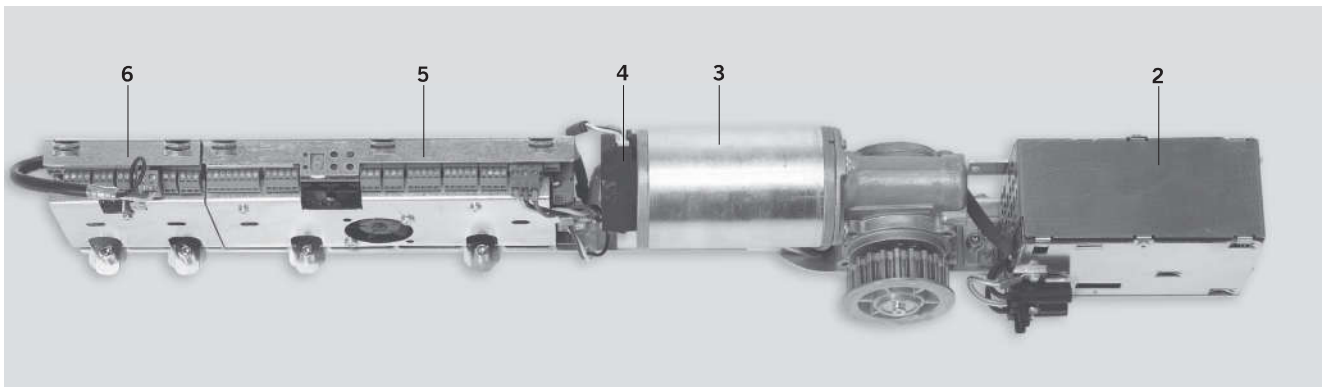


Profile for 100 mm and 150 mm height, for corridor or wall fixing guarantees adaptation for all possible applications. The mechanical basic system, with a low number of components, is the same for both heights.

- 1 LM rail
- 2 Basic drive profile
- 3 Interior cover in 100 or 150 mm height
- 4 Wall fixing profile
- 5 Service cover holder



MiniDriveUnit (MDU)



The heart of the ES 200 EASYplus

The prefabricated **MiniDriveUnit** with all the electrical components necessary is industrially tested and facilitates the assembly and maintenance of drive units.

The control unit has proven its worth a thousand times in all imaginable fields of application throughout the world.

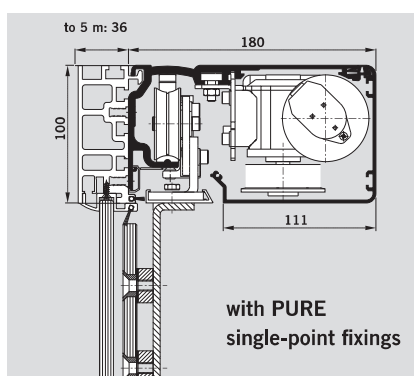
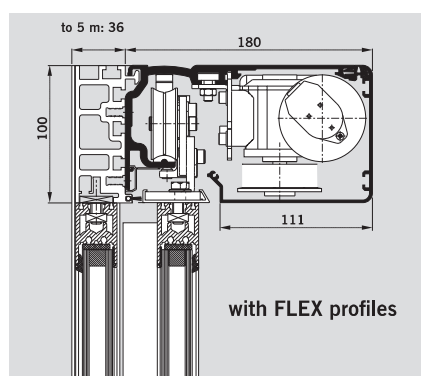
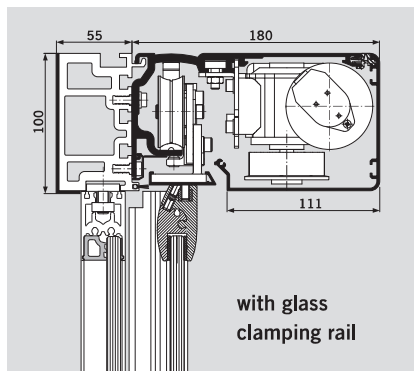
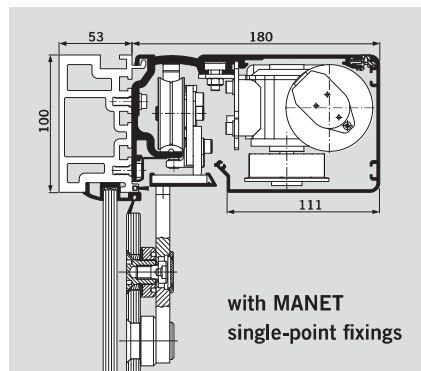
The MiniDriveUnit of the ES 200 EASYplus is equipped with the DIN 18650 / EN 16005 module as standard.

Components

- | | |
|--------------------------------------|--|
| 1 MiniDriveUnit | 7 Run and installation profile |
| 2 Transformer | 8 Battery pack (optional) |
| 3 Motor | 9 Carriage |
| 4 Decoder | 10 Deflection roller |
| 5 Basic module (BM) | 11 Service cover holder |
| 6 EN 16005- / DIN 18650-Modul | 12 End stopper |
| | 13 Door suspension with adjustment device |
| | 14 Belt connection |
| | 15 Riemenspannvorrichtung |

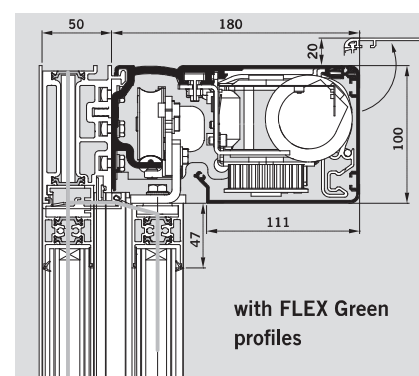
THE DRIVE FOR INDIVIDUAL DOOR DESIGN

Door variants with ES 200 EASYplus, 100 mm installation height

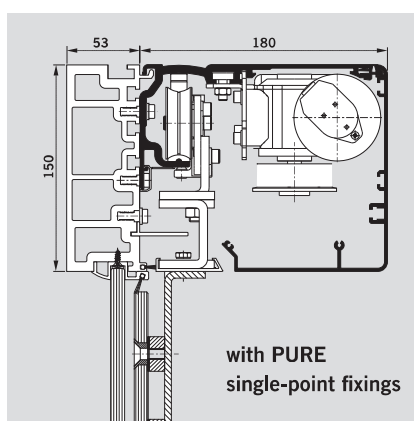
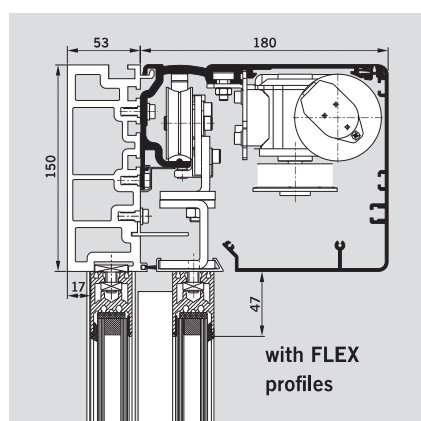
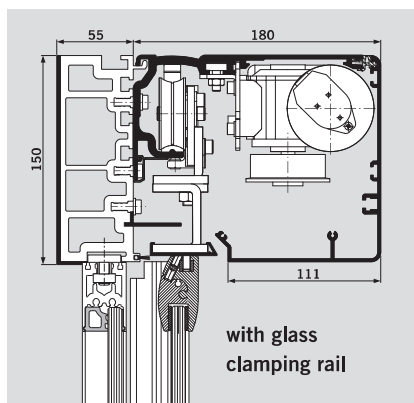
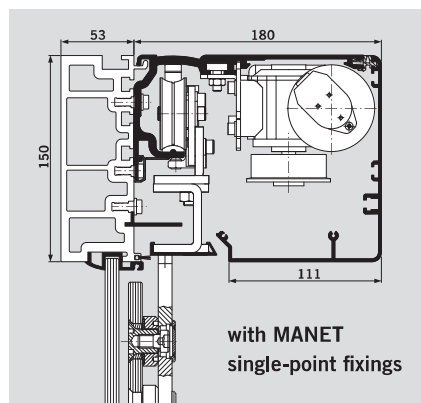


DORMA PowerDrive System
for particularly punchy performance

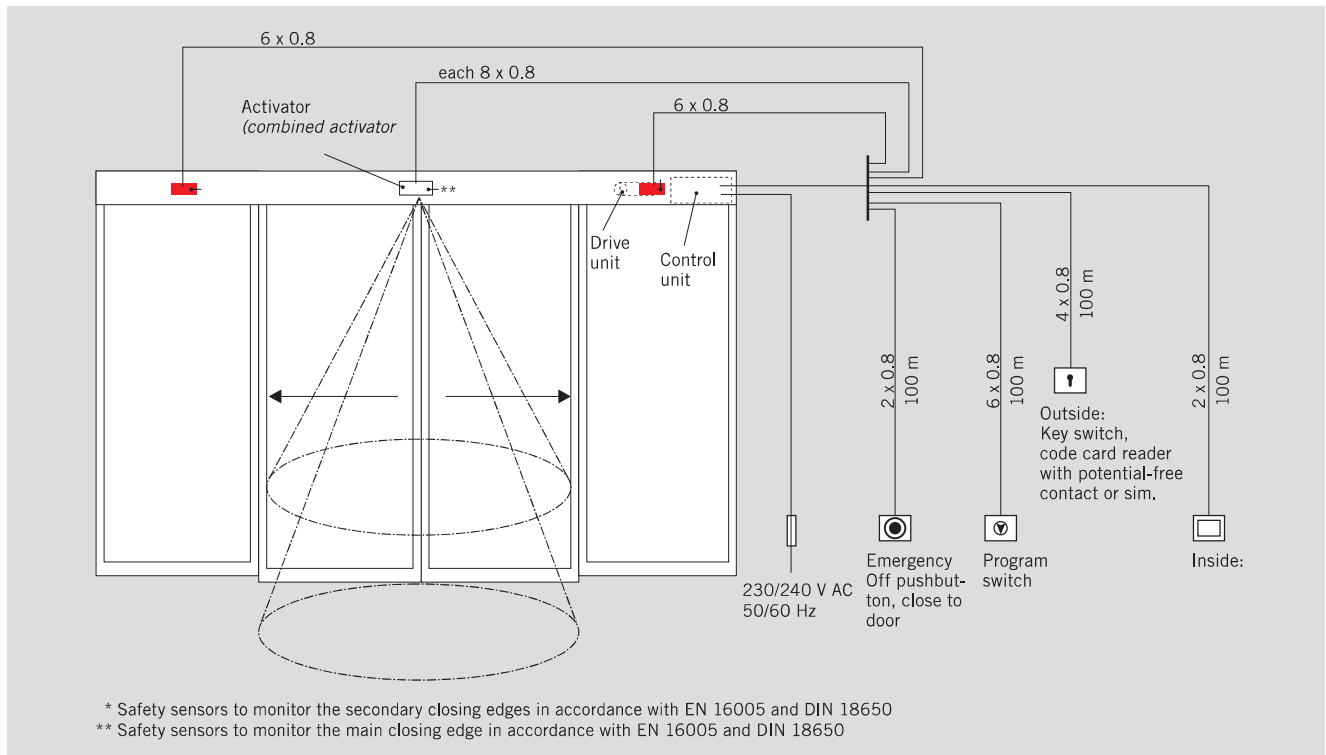
The door variants on this page are shown as corridor installation with aluminum girder (LM).



Door variants with ES 200 EASYplus, 150 mm installation height



CONNECTIONS






PROGRAM SWITCHES

A program switch from DORMA's broad range of accessories allows the automatic door system to meet individual requirements and provides easy handling.



The corresponding 3-position program switches are available in various designs and suitable for all kinds of applications.

They offer various options, from a mechanical to a full-electronic version, alternatively also lockable via profile half-cylinder or in a full-electronic way via code.






- Up to 5 different functions: Off, Automatic, Exit Only, Partial Open, Permanent Open
- Electronic program switches in System 55 design to meet the highest aesthetic demands

For sliding door operators	Designation	Specification	Installation system	Order No.
	PG-S1	5-position, aluminum, white, flush-mounted version, 80 x 80 x 40 mm	Gira S-Color	19135401150
	PG-S2	5-position, lockable, aluminum, white, flush-mounted version, 80 x 80 x 40 mm	Gira S-Color	19135602150
	EPS-S	Full-electronic program switch in System 55 design, 5-position, lockable via code or additional TL-ST S55 key switch, membrane keypad aluminum-colored, white, flush-mounted version, 80 x 80 mm	System 55	16556901150

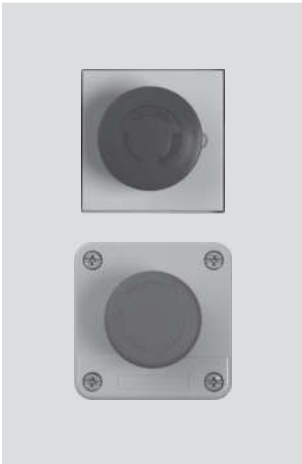

SWITCHES

	Designation	Specification	Installation system	Order No.
	On/Off switch	White, aluminum, flush-mounting, 80 x 80 mm	Gira S-Color	19135403150
	Radar switch	"MAGIC SWITCH", proximity-type radar switch responds to movement, for flush-mounting, 80 x 80 mm		05076831332



PUSHBUTTON

Palm pushbutton	Designation	Specification	Installation system	Order No.
		Single-pole changeover contact, single-type frame, white, flush-mounted version	System 55	19144701170
Key switches	Designation	Specification	Installation system	Order No.
	KT 3-1	1 NO contact with profile half-cylinder, may be replaced for any profile half-cylinder of a master key system, key only retractable in neutral position, aluminum, metal, 75 x 75 x 60 mm		
	KT 3-1 UP	flush-mounted version		05054531332
	KT 3-1 AP	surface-mounted version		05054631332
	KT 8	Lettering "Auf, Zu" (German for "Open/Closed"), 2 NO contacts, with profile half-cylinder, may be replaced for any profile half-cylinder of a master key system, key only retractable in neutral position, aluminum, metal, 75 x 75 x 60 mm		
	KT 8 UP	flush-mounted version		05054831332
	KT 8 AP	surface-mounted version		05054931332
	TL-ST S55	Switch with single-pole changeover contact, for profile half-cylinder by others to DIN 18252, locking cam centre 30 – 32.5 mm, overall length 40.5 – 43.5 mm, locking cam position left (90°), incl. cover for System 55, not suitable for box for surface-mounting, not including profile half-cylinder, not including frame		
	TL-ST S55 W	White	System 55	56330710
	TL-ST S55 S	Silver-colored	System 55	56330701
	TL-ST S55 A	Anthracite	System 55	56330715
	KT 3-2	1 NO contact with profile half-cylinder, may be replaced for any profile half-cylinder of a master key system, key only retractable in neutral position, exchange cover, "Ein/Aus" lettering (German for "On/Off"), aluminum, flush-mounted version: 125 x 100 mm, surface-mounted version: 70 x 90 mm		05054731332



EMERGENCY PUSHBUTTONS

	Designation	Specification	Installation system	Order No.
	NAT	Designed to interrupt the automatic movement of the door, emergency pushbutton (function: Emergency Off) for automatic door operators, manufactured to ZH 1/494 or BGR 232, DIN 18650 and EN 16005, red knob with yellow centre insert, max. load current: 10 A at 230 V AC		
	NAT 1	NO contact: 1, NC contact: 1, white frame, flush-mounted version, 80 x 80 mm	System 55	90400025
	NAT 2 without illustration	Function "Emergency Opening" with green knob, NO contact: 1, NC contact: 1, max. load current: 10 A at 230 V AC, white frame, flush-mounted version, 80 x 80 mm	System 55	90400035
	NAT 4	NO contact: 1, NC contact: 1, surface-mounted version, 68 x 68 mm		05027031332
	TL-N S55	Highly-illuminated emergency pushbutton environment with visual locking status indication, optical and acoustic alarm via yellow flashlight and integrated alarm siren, sabotage-proof, behind glass, not including frame NO contact: 1, NC contact: 1, max. load current: 1 A at 24 V DC, flush-mounted version, 80 x 80 mm	System 55	56330500

ACTIVE INFRARED DETECTORS

Safety sensors / Combi sensors	Designation	Specification	Colour	Order No.
	Prosecure Opti Scan	The active infrared curtain according EN 16005 ensures optimum protection of the area at the side of the door. It protects people in the danger area of the opening door panel.	black silver colored white	86301100 86302100 86303100
	Prosecure Opti Scan 1	The active infrared curtain according DIN 18650 and EN 16005 ensures optimum protection of the area at the side of the door. It protects people in the danger area of the opening door panel.	black silver colored white	86301101 86302101 86303101
	Prosecure Opti Combi	Quick and easy to install, wide field can be used as a light barrier substitute, LCD display, Precise positioning of the AIR curtain thanks to inclination angle display on a clear scale, direction recognition (DIN 18650 and EN 16005)	black silver colored white	86711400 86712400 86713400
	Prosecure Opti Combi 1	Very flexible field settings, active infrared curtain is self-monitoring, crossing traffic optimization, precise positioning of the AIR curtain thanks to inclination angle display on a clear scale, direction recognition. (DIN 18650 and EN 16005)	black silver colored white	86711401 86712401 86713401

MOTION DETECTORS

Motion detectors	Designation	Specification	Colour	Order No.
	Prosecure Easy Motion Mono	Full-automatic access on pulse activation; adjustable inclination angle, inclined field of view and field size, LED status indicator, not in accordance with EN 16005 Ambient temperature -20 to +60° C	black silver colored white	86001000 86002000 86003000
	Prosecure Easy Motion Stereo	Adjustable inclination angle, inclined field of view and field size, direction recognition, cross-traffic suppression, immunity, LED status indicator, not in accordance with EN 16005 Ambient temperature -20 to +60° C	black silver colored white	86011000 86012000 86013000
		Prosecure Opti Motion Mono	Adjustable inclination angle, inclined field of view and field size, direction recognition, immunity, LED status indicator Ambient temperature -20 to +60° C	black silver colored white
Prosecure Opti Motion Stereo		Adjustable inclination angle, inclined field of view and field size, direction recognition, cross-traffic suppression, Slow Motion function, immunity, LED status indicator Ambient temperature -20 to +60° C	black silver colored white	86111000 86112000 86113000
Accessories	Designation	Specification	Order No.	
	Rain protection cover	For Easy Motion detectors	86031900	
	Rain protection cover/ceiling angle bracket	For Opti Motion detectors	86131900	
	Prosecure Remote Control	Remote control for programming Prosecure Opti Motion detectors or products from other brands, for the convenient and exact adjustment of high-mounted sensors, self-explaining menu navigation, LCD display, ambient temperature -20 to +60° C	86991900	

16th November, 2017

School of Oriental & African Studies
University Of London
Thornhaugh Street
Russell Square
London
Greater London WC1H 0XG

DORMA UK Limited
Automatics Division
Wilbury Way
Hitchin
Hertfordshire SG4 0AB
Tel: 01462 477 600
Fax: 01462 477 601
Estimating Fax: 01462 443 535
E-mail: info@dorma-uk.co.uk
www.dorma-uk.co.uk

QUOTATION

For the attention of: Mr. Adam Waite
Telephone number: 020 7898 4922
DORMA contact: Matthew George 07964 899717

Dear Mr. Waite

Quotation ref: 5100088792 (OS) REVISION 2
Project ref: College Building, SOAS University Of London, London

Thank you for your enquiry on the above referenced project. We are pleased to submit our quotation as follows. We draw your attention to the sections of this quotation concerning the European Standard BS EN 16005 for automatic doors, and the safety equipment provided by DORMA UK /DORMA Ireland Limited.

**The total price for all items included in this offer is £ 34,136.34 Excluding VAT.
This quotation is valid for 90 days from the date of our offer.**

Unless otherwise stated in this Quotation, all terms are nett.

This quotation consists of the following:

Page 2 ES200 Bi-Parting Operator
Page 3 Fully Framed Screen Work
Page 4 Fully Framed Return Lobby Screens
Page 5 Product Specification
Pages 6&8 General Tender Qualifications

All prices are subject to a final site survey and risk assessment.

We would welcome the opportunity to provide you with any further information that you need and also quote for any further requirements that you have. You can contact either the undersigned by telephone on 01462 477600, facsimile on 01462 477601 or your local Technical Salesman whose name and telephone number are shown at the top of this page. Your request will be dealt with immediately.

Yours Sincerely,
DORMA UK Limited

Tessa Zupyn
ESTIMATING DEPARTMENT - Automatics Division
Enc. Automatics product literature

Door location: Reception: ES200 Bi-Parting Operator

Quantity: 2 **ES 200 Bi-Parting Sliding Door Operator**

Height of drive unit: 100mm

Configuration type: Bi-parting

Screenwork construction: Standard aluminium framing

Basis of offer: Supply, install and commission

Type of finish: Powder coat paint - Std Ral

Dimensions:

Approximate width of opening 1,690 mm
(actual clear opening width will differ)

Drive Cover Length 4,000 mm

Each configuration includes the following items:

- 001 Nightbank internal push button
- 001 Monitored, self testing battery backup system
- 001 ES 200 KIT 2 LEAF WITH ELCTROMECH LOCK
- 001 Mini Drive Unit (30 EA.)
- 001 5 position remote and lockable program switch
- 001 KT3 Key switch
- 002 IXIO-DT1/DO1 DUAL SENSOR- BLACK

The price for this item included in our offer is £ 5,515.06 Excluding VAT

Door location: Reception: Fully Framed Screen Work and Pocket Screens

Quantity: 2 **Screenwork - fully framed aluminium**

Configuration type: Bi-Parter

Basis of offer: Supply, glaze and install
Delivery

Type of finish: Powder coat paint - Std Ral

Type of glass:

Type of glass used: 12mm Clear Toughened Glass

Pocket screens: Yes - Single glazed in 6.4mm

Midrails: No

Dimensions:

Approximate width of opening (actual clear opening width will differ)	4,225 mm
Clear Opening Height	2,200 mm
Double Transom Height	100 mm
Fanlite Height	1,200 mm
Overall Height	3,500 mm

The price for this item included in our offer is £ 22,542.60 Excluding VAT

Door location: Reception Return Lobby Screens: Fully Framed Fixed Screens

Quantity: 4 **Screenwork - fully framed aluminium**

Configuration type: Fixed

Non Standard Arrangement: No - Standard

Basis of offer: Supply, install & glaze
Delivery

Type of finish: Powder coat paint - Std ral

Type of glass:

Type of glass used: 12mm Clear Toughened Glass

Midrails: No

Width of Swing / Fixed	1,000 mm
Height to U/side of Transom	2,200 mm
Double Transom Height	100 mm
Fanlite Height	1,200 mm
Overall Height	3,500 mm

The price for this item included in our offer is £ 6,078.68 Excluding VAT

SPECIFICATIONS

ES 200 Bi-Parting Sliding Door Operator

- Microprocessor controlled modular designed
- Independently adjustable opening speed
- Independently adjustable closing speed
- Final closing speed adjustable
- Variable hold open time
- Self-regulating safety system monitoring all door movements including closing force
- Monitored battery back up to automatically open the doors in the event of a power failure or upon a signal from the interfaced fire alarm system. Every four hours the doors shall on the next operation move under battery power to ensure the battery pack is sufficiently charged and the mechanical functions of the operator function correctly
- Auto reverse function if the doors make contact with an obstruction during the closing cycle

Screenwork - fully framed aluminium

- Doors constructed from DORMA extruded aluminium profiles with snap in security glazing beads incorporating resilient glazing gaskets
- Glazed fixed screens constructed from 100mm x 45mm extruded aluminium profiles with integral glazing pockets incorporating resilient composite gaskets

Screenwork - fully framed aluminium

- Doors constructed from DORMA extruded aluminium profiles with snap in security glazing beads incorporating resilient glazing gaskets
- Glazed fixed screens constructed from 100mm x 45mm extruded aluminium profiles
- Doors come complete with either hinges or pivots
- Manual hook bolt security locking
- Midrails (if included) 188 or 235 mm deep

GENERAL TENDER QUALIFICATIONS

1. Unless otherwise stated in this quotation, installation and commissioning will take place during normal hours working, Monday - Friday.
2. Unless otherwise stated, no allowance has been made for the following:
 - Removal of any existing doors or screenwork.
 - Supply or connection of access control devices or electric locking.
 - Decal manifestations / etching to the glass. Full size, dimensioned artwork will be required to provide etching costs.
 - Builders Work/Making Good.
3. **PLEASE NOTE:** Internal safety pocket screens to automatic sliding door entrances (if included) will be glazed in 6.4mm single pane clear laminated safety glass. Prices for alternative glazing can be provided upon request.
4. A 240 volt AC mains spur should be provided adjacent to each opening, above and on the same face that the drive unit is being fixed onto. This spur is to be supplied and installed BY OTHERS.
5. Unless otherwise stated, this quotation allows for the hard wiring manually operated actuation or control devices - such as push pads, key pads, mode switches and push buttons - within two meters of our installed equipment. Unless otherwise stated, wiring runs beyond this distance shall be provided BY OTHERS.
All chasing out and conduit runs shall be provided BY OTHERS.
Where chases and conduit are not provided, wiring to manually operated actuation devices will be surface applied in white UVPC mini trunking.
6. Unless otherwise stated in this quotation all terms are NETT.
7. This quotation is based on the understanding that DORMA will deliver materials to the ground floor only. A suitable goods lift or hoist would be required to vertically transport our materials to floors below or above ground floor level.
8. **PLEASE NOTE:** When placing an order with DORMA for the product(s) detailed within this offer, please state our quotation number which is located on the front page of this document.
9. **PLEASE NOTE:** DORMA will not be liable for the possible damage to undisclosed, underfloor heating pipes when safety barriers are being fitted. DORMA must be informed of the existence and exact location of such pipes before works are carried out.
10. DORMA Terms & Conditions are available upon request.
11. In order to comply with VAT regulations DORMA UK Limited is unable to operate an 'authenticated receipts' process for this contract.

Glazing

During any routine maintenance or repair activity there is potential for damage or breakage of fittings and glazing. Whilst every care will be taken to avoid this, any risk must remain with the customer and DORMA UK will NOT be financially liable for restoration.

Important Information - DORMA SERVICE

DORMA Service is a National network of highly skilled technicians dedicated to ensuring our products are maintained to the highest standards ensuring you have peace of mind that your investment in our market leading products is secured into the future.

Regular door maintenance improves reliability, reduces inconvenience, and prolongs the life of the door equipment. There are also legal implications regarding the servicing of all door types which must be adhered to, to ensure the safety of users at all times.

The Service Division of DORMA UK Limited provides a tailored, local resource for the servicing and maintenance of all DORMA and non-DORMA automatic, manual and industrial doors. DORMA UK We offer a 24 hour call out service and planned maintenance schedules to ensure your equipment is compliant with current safety and workplace regulations. For further information please contact DORMA Service Division on one of the following numbers:

CENTRAL & WEST:	Hitchin	01462 477 602
NORTH:	Jarrow	0191 428 7300
SCOTLAND:	Falkirk	01324 678 770

GENERAL INFORMATION

DORMA is committed to providing quality, safe automatic door installations.

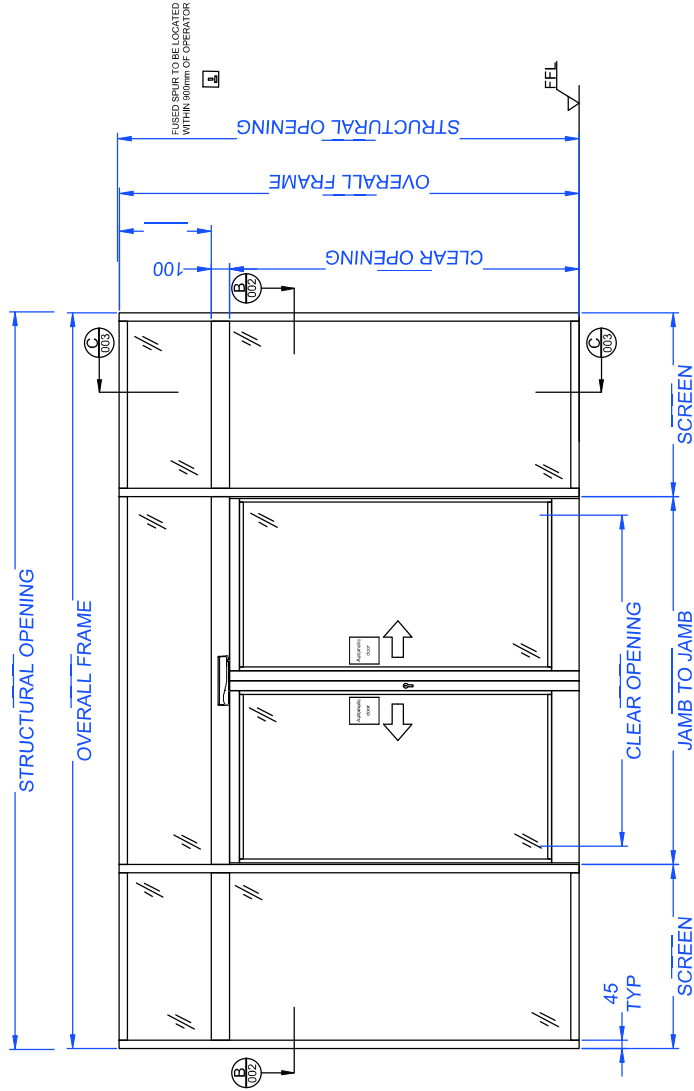
- It is mandatory that all installations comply with European Standard BS EN 16005 with regard to safety.
- All signage required to comply with European Standard BS EN 16005 is included in this quotation.
- All DORMA automatic door operators are CE certified.
- DORMA products are covered by a twelve month warranty for faulty components. Any replacement components supplied other than misuse or abuse will be free of charge.

Unless specifically mentioned elsewhere in this quote this estimate has been prepared on the basis that:

- We are installing into true and prepared openings.
- All works are carried out in a single continuous installation during normal working hours. Any additional time or visits to site, for example due to incomplete site preparations, will be chargeable. Return visits to site will be charged as follows: £450.00 per Engineer, per day.
- The prices quoted include for all works as detailed in this quotation and are valid only for the quantities quoted.
- Unless otherwise stated the prices quoted are valid for a period of 90 days from the date of this quotation.
- Upon receipt of your order DORMA will issue drawings for your approval prior to production. (Excluding operator only contracts)
- This quotation is not acceptance of your terms and conditions. Any work carried out will be subject to our standard conditions of trading unless otherwise agreed by DORMA in writing.
- Liquidated & ascertained damages. Unless otherwise agreed DORMA will only accept levels of liquidated damages of 1% of the DORMA order value per week up to a combined weekly total of 10% of the DORMA order value applicable to those works. DORMA will only agree to the deduction of liquidated damages where the client has deducted them from the Contractor and DORMA have caused a delay.
- Should daywork be required, the following rates will be applicable:

Labour (Normal hours working) :	£54.00 per Engineer, per hour.
Labour (Outside Normal hours working) :	£85.00 per Engineer, per hour.
Materials :	Cost + 25%
Plant :	Cost + 25%

FULLY FRAMED BI-PARTING SLIDING DOORS &
SCREENWORK WITH FANLIGHT.
CLEAR DOUBLE GLAZED,
6.4mm LSG - 12mm AIR - 6.4mm LSG.
2 No FULLY FRAMED POCKET DOOR.
CLEAR SINGLE GLAZED 6.4mm LSG.
FINISH TO BE CONFIRMED FROM OUR STANDARD
RAL COLOURS OR SATIN SILVER ANODISED.
1 No MANUAL HOOK LOCK.
1 No DOUBLE EUROPROFILE CYLINDER CW 3 KEYS.
1 No DOUBLE EUROPEAN THRESHOLD.



OPERATOR:
1 No ES200 (100) BL-PARTING OPERATOR.
2 No IXIO-DT1 ACTIVATION / SAFETY SENSORS.
1 No 5 POSITION KEY LOCKABLE REMOTE PROGRAM
SWITCH, SURFACE MOUNTED WITH BACK BOX.
1 No NIGHTBANK FACILITY.

INSTALLATION NOTES:
1. 1 No 240V 13A SWITCHED FUSED SPUR, FUSED AT 5A, POSITIONED TO THE TOP RIGHT AND WITHIN 900mm OF THE OPERATOR AND TO BE ACCESSIBLE; WHEN VIEWED ON THE OPERATOR COVER SIDE, BY OTHERS. SPUR TO BE IN PLACE AND LIVE FOR THE INSTALLATION DATE.

2. THE OPERATOR CAN BE LINKED TO THE FIRE ALARM SYSTEM TO OPEN AND STAND OPEN UPON RAISING OF THE ALARM, A N/O VOLT FREE PAIR OF CONTACTS, TO CLOSE AND HOLD UPON RAISING OF THE ALARM, WITH TAILS TERMINATING ADJACENT TO THE SPUR IS REQUIRED. BY OTHERS, THIS FEATURE IS DISABLED WHEN THE PROGRAM SWITCH IS SET TO 'OFF'. TO BE IN PLACE AND OPERATIONAL FOR THE INSTALLATION DATE.

3. UPON FAILURE OF THE MAINS SUPPLY THE DOORS WILL OPEN ON THE MONITORED INTERNAL BATTERY BACK-UP (FOR ONE CYCLE ONLY UNTIL BATTERY IS RECHARGED) AND STAND OPEN. THIS FEATURE IS DISABLED WHEN THE PROGRAM SWITCH IS SET TO 'OFF'.

4. ENTRY AND EXIT ACTIVATION BY RADAR.
5. THE PROGRAM SWITCH TO BE POSITIONED ADJACENT TO THE DOOR.

6. ALL WIRING TO EXTERNAL CONTROL DEVICES UP TO A MAXIMUM OF 2000mm AND MAINS SPUR TO A MAXIMUM OF 900mm WILL BE IN WHITE UPVC MINI TRUNKING. IF CONTAINMENT OR LONGER WIRE RUNS ARE REQUIRED (WITH DRAW WIRE) THIS WILL BE BY OTHERS.

7. STANDARD SURFACE APPLIED SIGNAGE
'AUTOMATIC DOOR' TO COMPLY WITH BS EN 16005
MUST BE FITTED TO THE DOOR LEAVES. OTHER
MANIFESTATIONS ARE NOT INCLUDED IN THIS
PACKAGE, AND IF REQUIRED WILL BE BY OTHERS.

8. PREPARATION OF OPENING TO BE TRUE AND
SQUARE, FLOOR MUST BE LEVEL WITH ALL MAKING
GOOD TO FLOOR WALL AND CEILING FINISHES TO BE
BY OTHERS.

CLIENT ADDRESS:

PROJECT ADDRESS:
INFORMATION ONLY

DRAWING TITLE:
ES200 BI-PART
DOORS AND SC
FANLIGHT & PO

DRAWN	DATE: //
TTC	

SCALE:	REV:
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DRAWING NUMBER:

INFORMATION ONLY

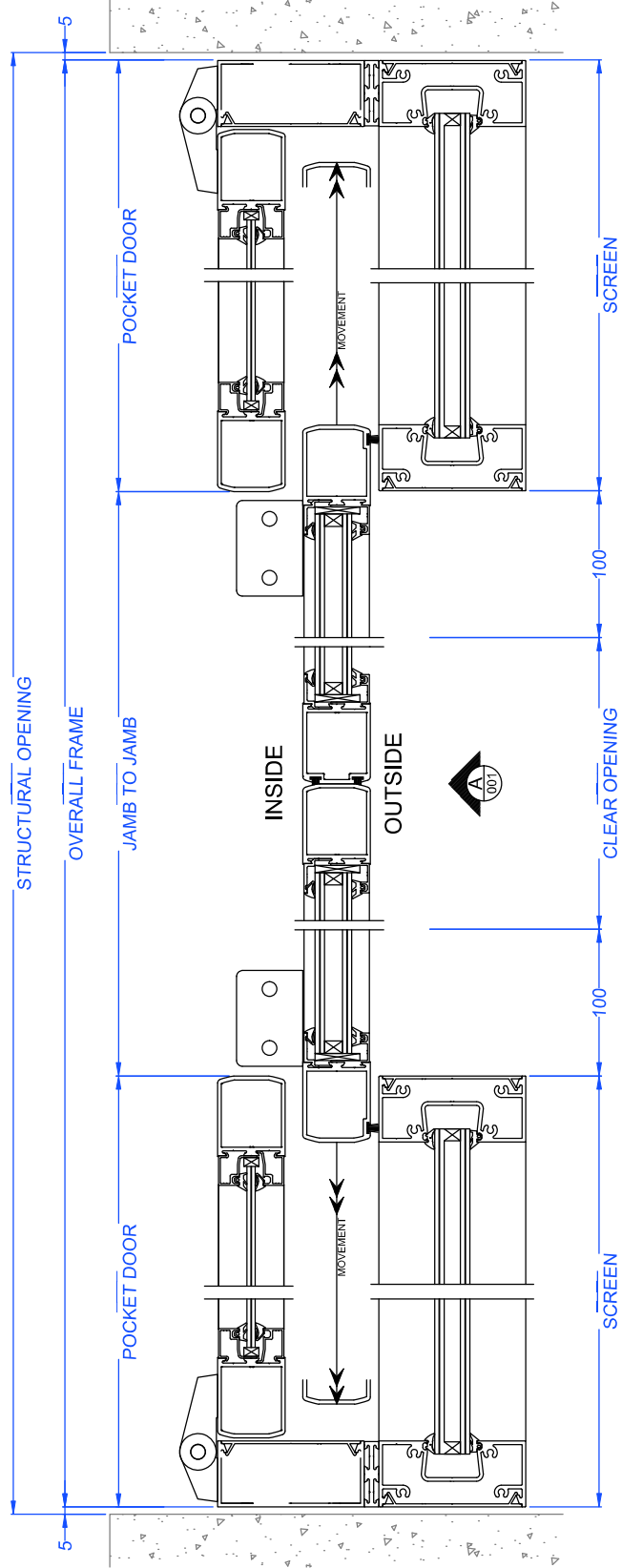
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1 of 3

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HORIZONTAL SECTION 'B-B'



DORMA UK
Wilbury Way
Hitchin
Hertfordshire
SG4 0AB
Tel: 01462 477600
Fax: 01462 477601

CLIENT ADDRESS:
INFORMATION ONLY

PROJECT ADDRESS:
INFORMATION ONLY

DRAWING TITLE:
ES200 BI-PARTER FULLY FRAMED
DOORS AND SCREENWORK WITH
FANLIGHT & POCKET DOORS

DRAWN	TTC	DATE:	/ /
SCALE:	N.T.S	REV:	
DRAWING NUMBER:			
INFORMATION ONLY			
SHEET:	2 of 3	CHECKED BY:	

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REV	DATE



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Tel: 01462 477600
Fax: 01462 477601

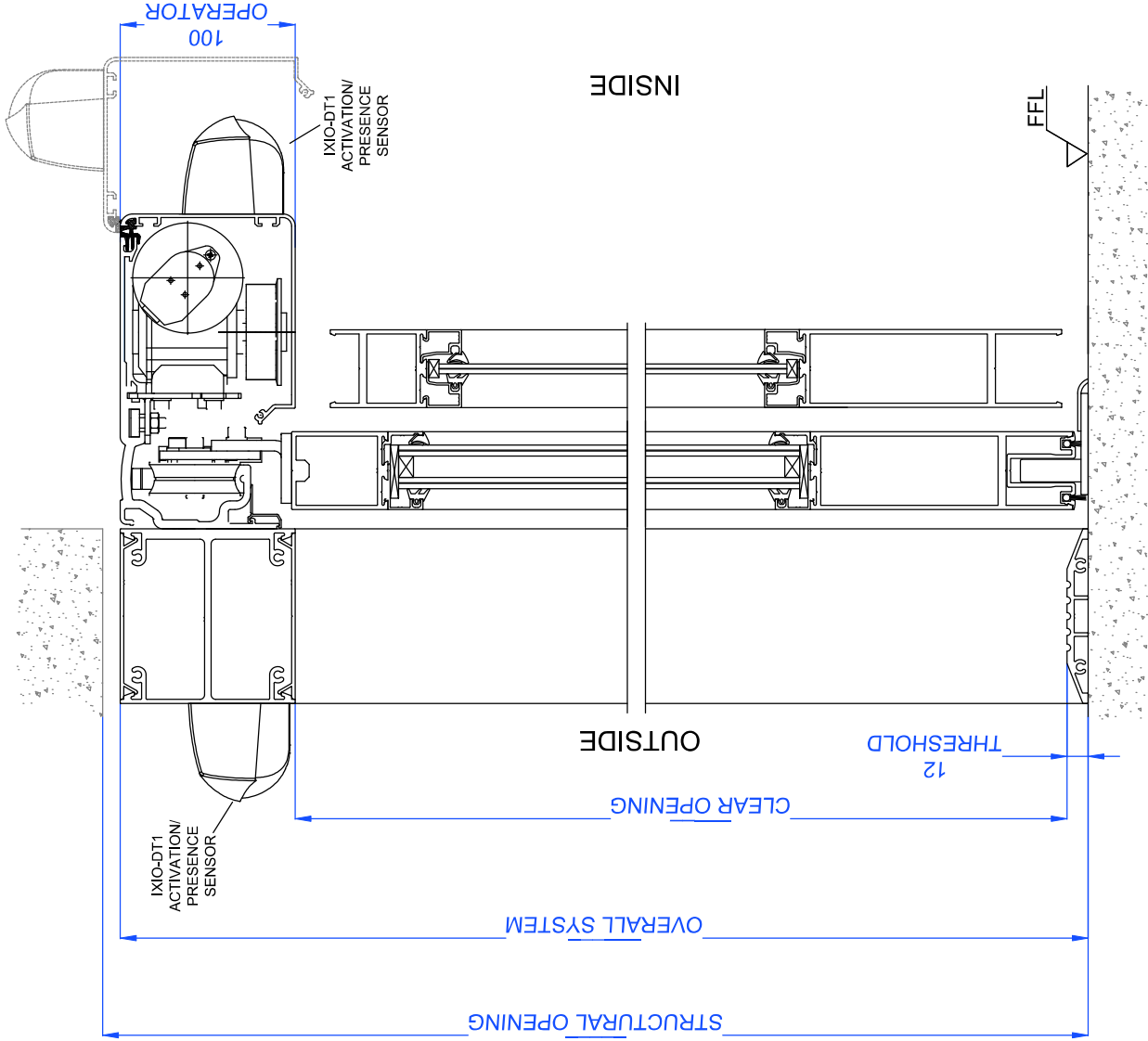
CLIENT ADDRESS:
INFORMATION ONLY

PROJECT ADDRESS:
INFORMATION ONLY

DRAWING TITLE:
ES200 BI-PARTER FULLY FRAMED
DOORS AND SCREENWORK WITH
FANLIGHT & POCKET DOORS

DRAWN	TTC	DATE:	/ /
SCALE:	N.T.S	REV:	
DRAWING NUMBER:			
INFORMATION ONLY			
SHEET:	3 of 3	CHECKED BY:	

VERTICAL SECTION 'C-C'





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E-mail: info@dorma.ie

www.dorma.com

Appendix B

Flooring and Matwell System

